

CONSTRUCTION MANAGER'S WEEKLY STATUS REPORT

RECONSTRUCTION OF KENILWORTH AVENUE (DC I-295) NE FROM FOOTE STREET TO LANE PLACE, BRIDGES OVER BURROUGHS AVENUE AND WATTS BRANCH

CONTRACT NO. POKA - 2004 - B - 0020 - CB
FAP NO. BH-1302(033), NH-1302(034), NH-1302(035)



Facing north at Bridge 19, Phase 3 rebar and formwork construction of pier columns #5 and #6.

Friday, October 3, 2008

EXECUTIVE SUMMARY

Project Description

The project involves phased reconstruction of the northbound and southbound Kenilworth Avenue, NE (DC I-295) from Foote Street to Lane Place, Bridges over Burroughs Avenue and Watts Branch Creek. Partial demolition and resurfacing of the SE & SW service roads, and reconstruction of the intersection of Kenilworth Avenue at Nannie Helen Burroughs Avenue. Bridge Number 19 includes demolition and replacement of the bridge abutments, retaining walls, center pier, steel girders and superstructure of the bridge carrying Kenilworth Ave over Burroughs Ave. Bridge 19-1 includes demolition and reconstruction of bridge deck, superstructure, steel girders and reconfiguration of the exiting abutment walls of the bridge carrying Kenilworth Ave over Watts Branch Creek. Bridge 19-1 Low includes demolition and reconstruction of bridge deck, superstructure, steel girders and reconfiguration of the existing abutment walls of the bridge carrying the Southeast Service Road over Watts Branch Creek. Bridge 48 includes demolition and reconstruction of the bridge deck, superstructure, steel girders, reconfiguration of the existing abutment walls, and utility line relocations of the bridge carrying the Southwest Service Road over Watts Branch Creek. Special construction items on this project also include remodel of the National Park Service property at the Kenilworth Park entrance from Burroughs Ave, installation of City Art sculptures and artwork, irrigation systems and decorative pavers. Also included in this project is installation of new utilities including; storm sewers, catch basins, street lighting, intersection signaling and relocation of existing water mains.

The total value of the contract at award to Fort Myer Construction Corporation is \$32,983,771.92. The Notice to Proceed date was April 2, 2007 with project duration of 730 calendar days for a scheduled completion date of April 1, 2009. Current Change Orders processed have increased project duration by 230 days for the revised project duration of 960 calendar days or a scheduled completion date on or before November 16, 2009. Jacobs Engineering construction management and inspection services began March 19, 2007 under Task Order #2 through August 2007. Task Order #4 Extension issued June 2008 to extended services through the first option year into the second option year as funding allows.

Progress Summary

- Roadway work completed on Phase 5 Part 3 construction on Lee Street, Nannie Helen Burroughs Ave at Kenilworth Park entrance. Phase 5, Part 3 MOT being removed to implement Phase 5, part 4 construction at this location. Phase 3 MOT now in place on Kenilworth Ave, demolition of elevated retaining walls E/S of NBL KWA ongoing.
- Bridge 19 completed Phase 1 (of 3) bridge work. Phase 2 bridge work demolition ongoing. Completed installation of pier columns #5 and #6 and forming for pier cap.
- Bridge 19-1H completed Phase 1 (of 3) bridge work. Phase 2 bridge work construction ongoing.
- B19-1L completed Phase 1 (of 2) bridge work. Phase 2 bridge work demolition ongoing.
- B48 completed Phase 1 (of 2) bridge work. Phase 2 bridge substructure construction ongoing; placed PCC Abutment walls and wing walls. Placed deck formwork and rebar. Scheduled for PCC Deck placement on Sept 30.

For photos of weekly work in progress please see Attachment A. Project location specific progress during the week ending October 3, 2008:

Kenilworth Ave (DC I-295): Continued Phase 3 demolition work at elevated section of NBL and excavation for MSE Walls E/S NBL KWA. Begin installation of storm sewer structures and piping.

Nannie Helen Burroughs Ave: There has not been any work continued or started in this area during this reporting period.

Southwest Service Road: Completed work for CO#12 installation of 12" WASA water main piping installation at Jay Street. Continued installation of Art Structure #1; formwork and concrete columns.

Southeast Service Road: Continued demolition of existing retaining walls between bridges and south of B19-1H. Continued hard surface pavement excavation and grading for Ground Improvement work to continue for Phase 3 construction..

Northeast Service Road: Continued installation of relocated 16" WASA water main.

Northwest Service Road: Completed Phase 3 pavement marking from 42nd St to Lane Place.

Bridge 19, Kenilworth Ave over Burroughs Ave: Phase 3 demolition continues on retaining walls E/S. Completed work to install drilled caissons #5 and #6 NBL KWA for Phase 3 construction.

Bridge 19-1 High, Kenilworth Ave over Watts Branch: Completed initial abutment walls A & B. Grout Injection Ground Improvement work began 9/29 in area 19-H-A1.

Bridge 19-1 Low, SESR over Watts Branch: Completed demolition of bridge abutment walls and approach slabs.

Bridge 48, SWSR over Watts Branch: Completed installation of Phase 2 deck.

WORK PERFORMED

Field activities from 09/27/08 to 10/03/08

1. Saturday 09/27 Continued work for Demolition on existing B19 wall 19-B E/S. Observed sub-contractor CCGI installing tie-back for temporary earth retention system support of excavation. Pile driving crew continued mobilization of crane for anticipated start of steel h-pile driving to begin Monday (9/29). MOT checked for accidents and safety, no lane closures scheduled or implemented today. Fort Myer surveyor and sub-consultant surveyor onsite to layout baselines and elevations for grout injection ground improvement work and verify base lines and elevations at B19 and B19-1H for Phase 3 construction. Excavation continued behind abutment walls at B19, however due to rain excavation for embankments at SOE was cancelled for fear of uncontrolled erosion due to rain. All work completed today for lump sum pay items. No pay items completed or measured for payment today.
2. Sunday 09/28 No work completed – Weekend
3. Monday 09/29 Continue demolition and excavation at B19-1L abutment walls and approach slab N/S. Continue DBSCR Street Light installation with pulling wire and connection conduit at foundations and electrical manholes. Complete installation of final KWA median foundation for DBSCR work. Continue installation of 16" Water Main relocation NESR. Continue installation of art structure #1 Columns strip forms form 3 and 4 of 5 total and place form work for column #5. Prince Construction completed at B48 to install rebar for Phase 2 deck, completed fabrication of rebar for piers at B19 Phase 3 under deck NBL KWA and continue to install rebar for B48 back walls. Steel H-pile crew mobilizing crane for Phase 3 pile driving activities to begin at Bridge 19 abutment A. CCGI on site to continue grout tieback of soldier pile and lagging support of excavation at B19 abutment B E/S. Hayward-Baker mobilized to project site with crew and equipment to B19-1H abutment A side for grout injection ground improvement.
4. Tuesday 09/30 Continue demolition B19 retaining wall 19-B W/S to station 133+50. Excavation continued behind wall for new MSE Wall 19-B and backfill. Completed rough grading of existing embankments between bridges 19-1H and B19 at SESR, covered embankment with plastic erosion control blankets for stability of Support of Excavation. Welding rig onsite to shore up soldier pile for SOE station 125+60 E/S. Continue DBSCR Street Light installation with pulling wire and connection conduit at foundations and electrical manholes. Strip deck formwork from underside B19-1H deck Phase 2. Continue installation of 16" Water Main relocation NESR. Continue installation of art structure #1 column forms and pour work for column #5. Prince Construction completed at B48 to install rebar for Phase 2 back walls. FMCC crew completed preparation for B8 deck placement including setting elevations and verification by Inspectors. Midlantic steel H-pile crew mobilizing crane for Phase 3 pile driving activities to begin at Bridge 19 abutment B. CCGI on site to continue grout tieback of soldier pile and lagging support of excavation at B19 abutment B E/S. Hayward-Baker onsite at B19-1H abutment A side for grout injection ground improvement.
5. Wednesday 10/01 Completed demolition B19 retaining wall 19-B W/S to station 133+50. Excavation continued behind wall for new MSE Wall 19-B and backfill and completed rough grading of existing embankments behind Bridge 19 at NESR, covered embankment with plastic erosion control blankets for stability of Support of Excavation. Continue DBSCR Street Light installation with pulling wire and connection conduit at foundations and electrical manholes.

Continued and completed strip deck formwork from underside B19-1H deck Phase 2. Continue installation of 16" Water Main relocation NESR. Prince Construction continued rebar prefabrication for pier cap section of Phase 3 at B 19. FMCC crew completed placement of prefabricated steel pier column formwork for columns #5 and #6 at B19, Phase 3. FMCC crew completed Phase 2 B48 deck placement and covered with burlap and plastic for wet curing period. Midlantic steel H-pile crew mobilizing crane for Phase 3 pile driving activities to begin at Bridge 19 abutment B. CCGI on site to continue grout tieback of soldier pile and lagging support of excavation at B19 abutment B E/S. Hayward-Baker onsite at B19-1H abutment A side for grout injection ground improvement.

6. Thursday 10/02 Excavation continued behind wall for new MSE Wall 19-B and backfill and completed rough grading of existing embankments behind Bridge 19 at NESR, covered embankment with plastic erosion control blankets for stability of Support of Excavation. Continue DBSCR Street Light installation with pulling wire and connection conduit at foundations and electrical manholes. Continue installation of 16" Water Main relocation NESR. Prince Construction continued rebar prefabrication for pier cap section of Phase 3 at B 19. FMCC crew completed placement of prefabricated steel pier column formwork for columns #5 and #6 at B19 and placed Class B concrete, Phase 3. FMCC crew continued wet cure Phase 2 B48 deck. Midlantic steel H-pile crew field layout for Phase 3 pile driving activities to begin at Bridge 19 abutment B. CCGI on site to completing grout tieback of soldier pile and lagging support of excavation at B19 abutment B E/S. Hayward-Baker onsite at B19-1H abutment A side for grout injection ground improvement. Aggregate Industries arrived to project site today to perform Windsor Probe test on rejected median foundations, Collins and Thompson witnessed testing procedure and verified resulting pressure indications. Midlantic Pavement Marking completed work for Phase 2 on NWSR between 42nd and Lane Place.
7. Friday 10/03 Excavation continued behind wall for new MSE Wall 19-B and backfill and completed rough grading of existing embankments behind Bridge 19 at NESR, covered embankment with plastic erosion control blankets for stability of Support of Excavation. Continue DBSCR Street Light installation with pulling wire and connection conduit at foundations and electrical manholes. Continue installation of 16" Water Main relocation NESR. Prince Construction completed rebar prefabrication for pier cap section of Phase 3 at B 19. FMCC crew continued wet cure Phase 2 B48 deck. CCGI on site to complete grout tieback of soldier pile and lagging support of excavation at B19 abutment B E/S. Hayward-Baker onsite at B19-1H abutment A side for grout injection ground improvement. FMCC crew continued layout and installation of Storm Sewer structures E/S NBL KWA for Phase 3 roadway construction. FMCC crew at B48 to place Class A PCC Deck Sequence #2 for Abutment A back wall.

DELAYS AND DIFFICULTIES ENCOUNTERED

- Hayward Baker mobilization to the project site and began Ground Improvement work for Phase 3 construction at B19-1H. Work planned through weekend to make up for start delay.

WORK NOT APPROVED

- Rejected asphalt samples from DDOT QA/QC division forwarded to Fort Myer to provide additional core samples as required by rejection notice.
- Rejected three (3) median street light foundations. Per DDOT's approval, the median foundation will be tested by FMCC for required 4500 psi before rejected foundations are considered acceptable.
- Rejected one (1) street light foundation on SWSR at Foote Street for spalled and broken surface cap. FMCC will be required to replace this foundation unless repair otherwise accepted by DDOT.
- Rejected concrete sample Class B from CTI for poor concrete break results. FMCC directed to submit additional core samples for testing by DDOT QA/QC Testing Lab.

INSPECTION TESTS PERFORMED

- Soils and aggregate density testing completed for embankment backfill for existing roadway and art structures.
- Class B concrete samples and tests completed this reporting period at B19 pier columns
- Class A concrete samples and tests completed this reporting period at B48 deck

ACCIDENTS

- There have not been any personnel accidents or incidents this reporting period.
- There have not been any property damage or vandalism reported.

REMARKS / ACTION ITEMS

- Outstanding Chang Order Items:
 - o Change Order No. 9 has been submitted to DDOT for processing.
 - o Change Order No. 10 has been submitted to DDOT for processing.
 - o Change Order No. 11 has been submitted to DDOT for processing.
 - o Change Order No. 12 has been submitted to DDOT for processing.
- Contractor submitted Requests for Information:
 - o There are currently not any outstanding Contractor RFIs
- Contractor Submittals / Shop Drawings outstanding at this time:
 - o 171: Hot Applied Sealant, submitted to DDOT on 7/29/08.

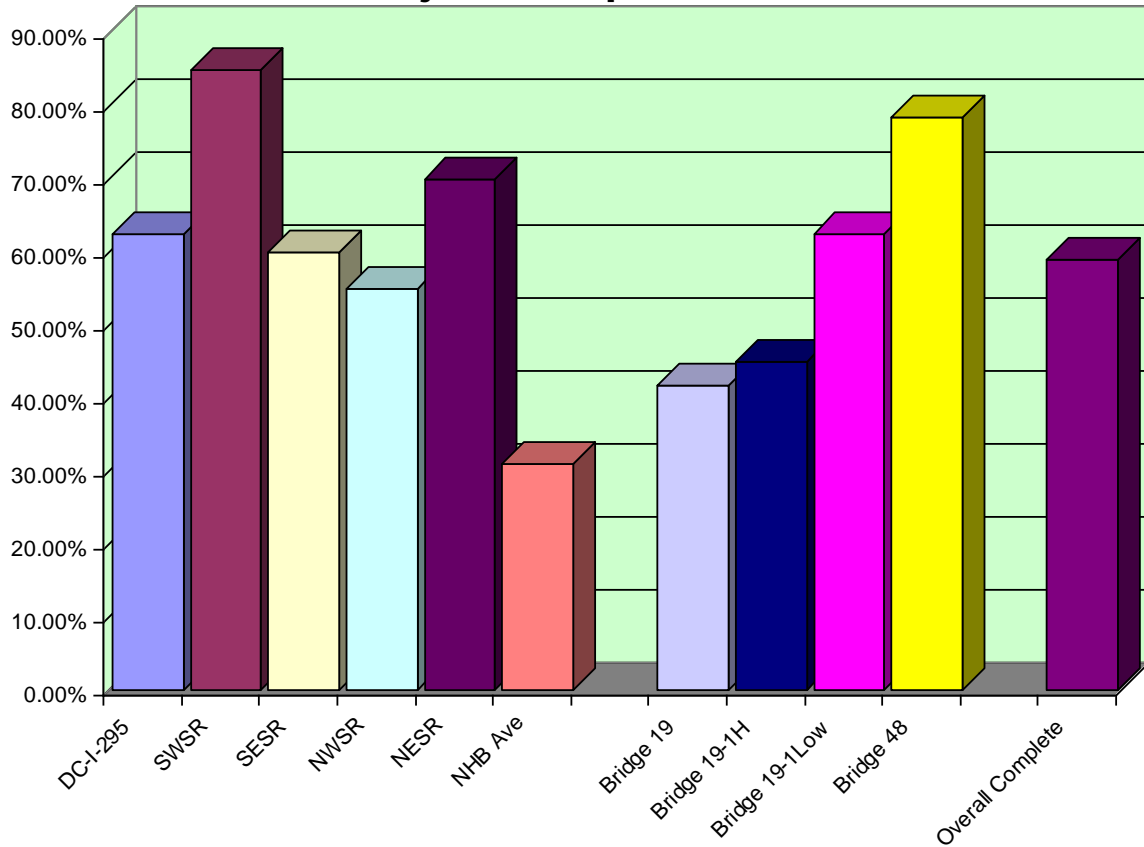
PROJECT SCHEDULE

The revised* construction schedule submittal indicates construction is on schedule with respect to the critical path activities (related Bridge work). Revised Completion Schedule indicates Bridge work is currently on schedule

Based on the current status of the project time expired versus dollars spent the contractor's progress as of Friday, October 3, 2008 is 59.1% of the dollars have been paid versus 57.3% of the time completed. These percentages include all costs and time extensions for Change Orders 1 through 12. Please note the cost vs. time expired comparison does not include value for cost of work completed with respect to Change Orders #9 through #12 (not yet processed for payment to the Contractor).

*This revised schedule indicates the completion and final walk through on or about August 31, 2009. This is within the current extended Contract Time of 960 days (or November 16, 2008).

Project Completion



ATTACHMENT A: PHOTOS OF WORK PERFORMED THIS PERIOD



Phase 3 Pavement Marking work completed on NE Service Road between 42nd St and Lane Place.



Phase 3 demolition of existing retaining walls E/S NBL KWA to prepare for new MSE Wall installation.



Phase 3 support of excavation embankment for NBL KWA. Embankment now covered for erosion control.



Ground Improvement work ongoing in cofferdam of area 19-H-A1 for new Bridge 19 footing.

ATTACHMENTB: LOG OF CONTRACTOR DAYS WORKED: SEPTEMBER 2008

LOG OF DAYS WORKED BY CONTRACTOR

MONTH: September 2008

DAY	DATE	WEATHER	Low Temp	High Temp	WORK DAY	NON-WORK	BY	REMARKS
518	Monday, September 01, 2008				0	1	mjl	Holiday - No work completed
519	Tuesday, September 02, 2008	Clear	67	91	1	0	mjl	
520	Wednesday, September 03, 2008	Clear	71	95	1	0	mjl	
521	Thursday, September 04, 2008	Clear	71	95	1	0	mjl	
522	Friday, September 05, 2008	Clear	69	87	1	0	mjl	
523	Saturday, September 06, 2008	Rain	68	78	0	1	mjl	Activities cancelled due to rain
524	Sunday, September 07, 2008				0	1	mjl	Weekend - No work completed
525	Monday, September 08, 2008	Clear	71	86	1	0	mjl	
526	Tuesday, September 09, 2008	Overcast	75	85	1	0	mjl	Some Rain
527	Wednesday, September 10, 2008	Overcast	68	76	1	0	mjl	Some Rain
528	Thursday, September 11, 2008	Overcast	68	78	1	0	mjl	
529	Friday, September 12, 2008	Clear	69	87	1	0	mjl	
530	Saturday, September 13, 2008	Overcast	74	91	1	0	mjl	
531	Sunday, September 14, 2008				0	1	mjl	Weekend - No work completed
532	Monday, September 15, 2008	Clear	60	79	1	0	mjl	
533	Tuesday, September 16, 2008	Clear	59	71	1	0	mjl	
534	Wednesday, September 17, 2008	Clear	61	74	1	0	mjl	
535	Thursday, September 18, 2008	Clear	58	82	1	0	mjl	
536	Friday, September 19, 2008	Clear	53	70	1	0	mjl	
537	Saturday, September 20, 2008	Clear	60	72	1	0	mjl	
538	Sunday, September 21, 2008				0	1	mjl	Weekend - No work completed
539	Monday, September 22, 2008	Clear	58	81	1	0	mjl	
540	Tuesday, September 23, 2008	Clear	54	72	1	0	mjl	
541	Wednesday, September 24, 2008	Clear	53	74	1	0	mjl	
542	Thursday, September 25, 2008	Overcast	54	68	1	0	mjl	Some Rain
543	Friday, September 26, 2008	Rain	53	71	1	0	mjl	
544	Saturday, September 27, 2008	Rain	68	80	1	0	mjl	
545	Sunday, September 28, 2008				0	1	mjl	Weekend - No work completed
546	Monday, September 29, 2008	Overcast	64	79	1	0	mjl	
547	Tuesday, September 30, 2008	Overcast	61	77	1	0	mjl	
							mjl	
	Monthly Total				24	6		
	Previous Total				395	121		
	Total To Date				420	127	547	